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| Subject | CHEMISTRY | Grade | 9 |
| Student | | Date | |

ASSESSMENT TASK - FIREWORKS DOCUMENTARY

You have to research and produce a documentary about fireworks no longer than 10 minutes.

Include the following research in your documentary:

1. When and where were fireworks invented.
2. How were they introduced in Europe and how have they evolved since with respect to the advances in Chemistry.
3. What are the components and compounds used in the preparation of fireworks.
4. Describe the chemical reactions involved when fireworks are used.

This assessment is in **pairs**. You will be graded on **Criteria D**.

CRITERIA AND ASSESSMENT RUBRICS

Criterion D: Reflecting on the Impacts of Science

| level | Level descriptor | Student | Teacher |
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| 0 | The student does not reach a standard described by any of the descriptors below. | | |
| 1-2 | The student is able to: i. state the ways in which science is used to address a specific problem or issue ii. state the implications of the use of science to solve a specific problem or issue, interacting with a factor (moral, ethical, social, economic, political, cultural and environmental). iii. apply scientific language to communicate understanding but does so with limited success iv. document sources, with limited success . | | |
| 3-4 | The student is able to: i. outline the ways in which science is used to address a specific problem or issue ii. outline the implications of using science to solve a specific problem or issue, interacting with a factor (moral, ethical, social, economic, political, cultural and environmental). iii. sometimes apply scientific language to communicate understanding iv. sometimes document sources correctly . | | |
| 5-6 | The student is able to: i. summarize the ways in which science is applied and used to address a specific problem or issue ii. describe the implications of using science and its application to solve a specific problem or issue, interacting with a factor (moral, ethical, social, economic, political, cultural and environmental). iii. usually apply scientific language to communicate understanding clearly and precisely iv. usually document sources correctly . | | |
| 7-8 | The student is able to: i. describe the ways in which science is applied and used to address a specific problem or issue ii. discuss and analyse the implications of using science and its application to solve a specific problem or issue, interacting with a factor (moral, ethical, social, economic, political, cultural and environmental). iii. consistently apply scientific language to communicate understanding clearly and precisely iv. document sources completely . | | |

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| Student Reflection |
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| Teacher Feedback |
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